

What is claimed is:

1. An antisense oligonucleotide between 20 and 50
5 nucleobases in length, comprising at least an 8
 nucleobase region of nucleobases 61-1922 of a nucleic
 acid molecule encoding human protein phosphatase 5
 (PP5) (SEQ ID NO: 43), wherein said oligonucleotide
 inhibits expression of human PP5 by at least 50%.
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2. The antisense oligonucleotide of claim 1 which inhibits
 expression of human PP5 by at least 70%.
3. The antisense oligonucleotide of claim 1 which comprises
15 SEQ ID NOS: 59, 60, 61, 62, 64, 65, 66, 68, 70 or 72.
4. The antisense oligonucleotide of claim 2 which comprises
 SEQ ID NOS: 59, 60, 61, 62, 65, 66, 68 or 70.
- 20 5. The antisense oligonucleotide of claim 1 which comprises
 at least one internucleoside linkage modification.
6. The antisense oligonucleotide of claim 1 which comprises
 at least one 2' sugar modification.
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7. The antisense oligonucleotide of claim 1 which comprises
 at least one base modification.
8. The antisense oligonucleotide of claim 1 in a carrier or
30 diluent.

9. A method of inhibiting expression of PP5 SEQ ID NO: 43), comprising contacting cells or tissues with the antisense oligonucleotide of claim 1 so that expression of human PP5 is inhibited.